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WLCG Tier1 Service Coordination Minutes - 10 February 2011

Attendance

LHC run in 2011 / 2012

Action list review

Release update

Data Management & Other Tier1 Service Issues

Site	Status	Recent changes	Planned changes
CERN	CASTOR 2.1.10 (all) SRM 2.9-4 (all) xrootd 2.1.9-7		
ASGC	CASTOR 2.1.7-19 (stager, nameserver) CASTOR 2.1.8-14 (tapeserver) SRM 2.8-2	28/1: 30' of unscheduled downtime for CASTOR due to blade firmware upgrade, core servers had to be rebooted	Upgrade tests ongoing
BNL	dCache 1.9.5-23 (PNFS, Postgres 9)	none	in the process of adding disk space
CNAF	StoRM 1.5.6-3 (ATLAS, CMS, LHCb, ALICE)		certification terminated on Feb 09, upgrade OS to SL5 is delayed a little bit
FNAL	dCache 1.9.5-23 (PNFS) Scalla xrootd 2.9.1/1.4.2-4 Oracle Lustre 1.8.3	none	Moving unmerged pools from dCache to Lustre Deploying scalable SRM servers with DNS load balancing
IN2P3	dCache 1.9.5-24 (Chimera)	Upgraded to version 1.9.5-24 on 2011-02-08	4-day intervention starting Feb 20
KIT	dCache (admin nodes): 1.9.5-15 (Chimera), 1.9.5-24 (PNFS) dCache (pool nodes): 1.9.5-9 through 1.9.5-24	Updated part of the dCache setup to 1.9.5-24 during GridKa downtime on 26.01.2011	
NDGF	dCache 1.9.11	None	None
NL-T1	dCache 1.9.5-23 (Chimera) (SARA), DPM 1.7.3 (NIKHEF)		On march 8th a core router will be replaced at NIKHEF. Services at NIKHEF will not be available and be at risk two days afterwards.
PIC	dCache 1.9.5-23 (PNFS)		
RAL	CASTOR 2.1.9-6 (stagers) 2.1.9-1 (tape servers) SRM 2.8-6	CMS disk server upgraded to SL5 64 bit on 31/1/11	ALICE disk server upgrades to SL5 64bit on 15/2/11 Plans for CASTOR upgrade to 2.1.10 in March
TRIUMF		None	None

dCache 1.9.5-21 with Chimera namespace		
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CASTOR news

CERN operations

Development.

xrootd news

dCache news

- Jon: apparently the new Golden Release will be 1.9.12, but FNAL are happy with 1.9.5 and have serious concerns about such a significant upgrade during the 2011-2012 LHC run!
- Maarten: we will discuss this offline with the dCache developers and report in the next meeting

StoRM news

FTS news

- FTS 2.2.5 in certification: FTS 2.2.5 release notes [↗](#)
- FTS 2.2.6 in development: FTS 2.2.6 patch [↗](#) (see list of bugs at the end)
- FTS compatibility with Oracle 11g servers will be tested at CERN in a few weeks from now
 - ◆ problems may show up in the DB usage optimization
 - ◆ Matt Hodges: this was tested at RAL and the performance was bad indeed
 - ◇ e-mail after the meeting: Richard Sinclair is the DBA at RAL-LCG2 who was investigating the problem, and it was a deprecated parameter (commit_write) that was suspected of causing the performance problems that we were seeing.

DPM news

- DPM 1.8.0-1 for gLite 3.2 has been released to Production on Feb 9.
- For gLite 3.1 it remains in the Staged Rollout and the memory leak appears **not** to be fixed.

LFC news

- LFC 1.8.0-1 for gLite 3.2 has been released to Production on Feb 9.
- For gLite 3.1 it remains in the Staged Rollout and the memory leak appears **not** to be fixed.

LFC deployment

Site	Version	OS, n-bit	Backend	Upgrade plans
ASGC	1.7.4-7	SLC5 64-bit	Oracle	None
BNL	1.8.0-1	SL5, 64-bit	Oracle	None
CERN	1.7.3 64-bit	SLC4	Oracle	Will upgrade to SLC5 64-bit by the end of Jan or begin of Feb.
CNAF	1.7.4-7	SL5 64-bit	Oracle	
FNAL	N/A			Not deployed at Fermilab
IN2P3	1.8.0-1	SL4 64-bit	Oracle 11g	Oracle DB migrated to 11g on Feb. 8th
KIT	1.7.4	SL5 64-bit	Oracle	
NDGF	1.7.4.7-1	Ubuntu 9.10 64-bit	MySQL	None

NL-T1	1.7.4-7	CentOS5 64-bit	Oracle	
PIC	1.7.4-7	SL5 64-bit	Oracle	
RAL	1.7.4-7	SL5 64-bit	Oracle	
TRIUMF	1.7.3-1	SL5 64-bit	MySQL	

Experiment issues

WLCG Baseline Versions

- Release report: deployment status wiki page
- WLCG Baseline versions: table

Status of open GGUS tickets

GGUS - Service Now interface: update

Review of recent / open SIRs and other open service issues

Conditions data access and related services

- ATLAS weekly FroNTier meetings [↗](#)

Database services

---++ Database services

- 10.2.0.5 patching status - ALL databases are now running 10.2.0.5 - no major issues found, some minor issues included:
 - ◆ OEM agents not reading the 10.2.0.5 DB alert logs properly - bug 10170020
 - ◆ Oracle Bug 9184754 found with very specific to ATLAS PANDA workload
- Experiment reports:
 - ◆ ALICE:
 - ◇ Nothing to report
 - ◆ ATLAS:
 - ◇ Applied patch 9184754 on ADCR production DB - bug was only affecting PANDA application and was causing single instance crashes every few days
 - ◇ On Friday (4th of Feb) morning ATLAS PVSS replication aborted due to foreign key violation on target database (ATLAS offline) by five transactions. Harming transactions were applied on source database (ATLAS online) before without problems - violating the constraint which should never happen. The problem of constraint inconsistency in PVSS schema is being investigated but the root cause is not known yet. In order to start replication and maintain the replica consistent problematic transactions have been applied without constraint validation.
 - ◆ CMS:
 - ◇ Nothing to report
 - ◆ LHCb:
 - ◇ Nothing to report
- Site reports:

Site	Status, recent changes, incidents, ...	Planned interventions
ASGC		
BNL	<ul style="list-style-type: none"> * Conditions database successfully upgraded to 10.2.0.5. No issues occurred during this upgrade. * Former LFC_FTS cluster was reconfigured to be used as a physical standby database: <ul style="list-style-type: none"> - Upgrades included OS RHEL5, Cluster/database server 10.2.0.5, Storage firmware. - Only initially enabled on one of the production clusters, as a part of the integration of this Data Guard technology within the oracle database operations. * Enable IPMI on all oracle production clusters. 	<ul style="list-style-type: none"> * To enable Data guard for LFC database. * Decommission TAGS database service.
CNAF		<ul style="list-style-type: none"> * 16 Feb - LHCb cluster upgrade to 10.2.0.5 * 2 Mar (to be confirmed): FTS DB upgrade to 10.2.0.5 + FTS DB purge old data and set up of the periodical cleaning job, that was missing before.
KIT	* Jan 26: Upgrade of 3D RACs (ATLAS, LHCb) to 10.2.0.5.	None
IN2P3		
NDGF	Nothing to report	None
PIC	8th Feb - we've upgraded FTS database.	We're planning to upgrade all other databases before the end of February but we don't have a exact date.
RAL	<ul style="list-style-type: none"> * We have upgraded the 3D, LFC, FTS and castor databases to 10.2.0.5 * In few days we should receive the new hardware ready for us to install Oracle and start our testing (this is the HW that will be used for data guard CASTOR and FTS/LFC). 	
SARA	Nothing to report	No interventions
TRIUMF	* Upgraded Oracle 3D RAC to Oracle 10.2.0.5	None

AOB

-- JamieShiers - 03-Feb-2011

This topic: LCG > WLCGTier1ServiceCoordinationMinutes110210

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